PHILIPS

Let's make things better.

Color TV

Quick Use and Setup Guide

Contents

Important Notice/Warning 1
Making Basic TV Connections
Basic Cable TV Connections 1
Basic Antenna TV Connections 1
Basic TV and Onscreen Menu Operation 2
Remote Battery Installation 3
Remote Control Button Descriptions 3
Using the Language Control 4
How to Automatically Program Channels 4
How to Use the Demo Feature 4

IMPORTANT

NOTE: This owner's manual is used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television set. This is normal and does not require that you contact your dealer or request service.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS UNIT TO RAIN OR EXCESSIVE MOISTURE.

As an Energy Star® Partner, Philips Consumer Electronics has determined this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a U.S. registered mark. Using products with the Energy Star® label can save energy. Saving energy reduces air pollution and lowers utility bills.

Basic TV Connections

Cable TV

Your Cable TV input into your home may be a single (75 ohm) cable or a converter box installation. In either case, the connection to the TV is very easy. Follow the steps below to connect your cable signal to your new television.

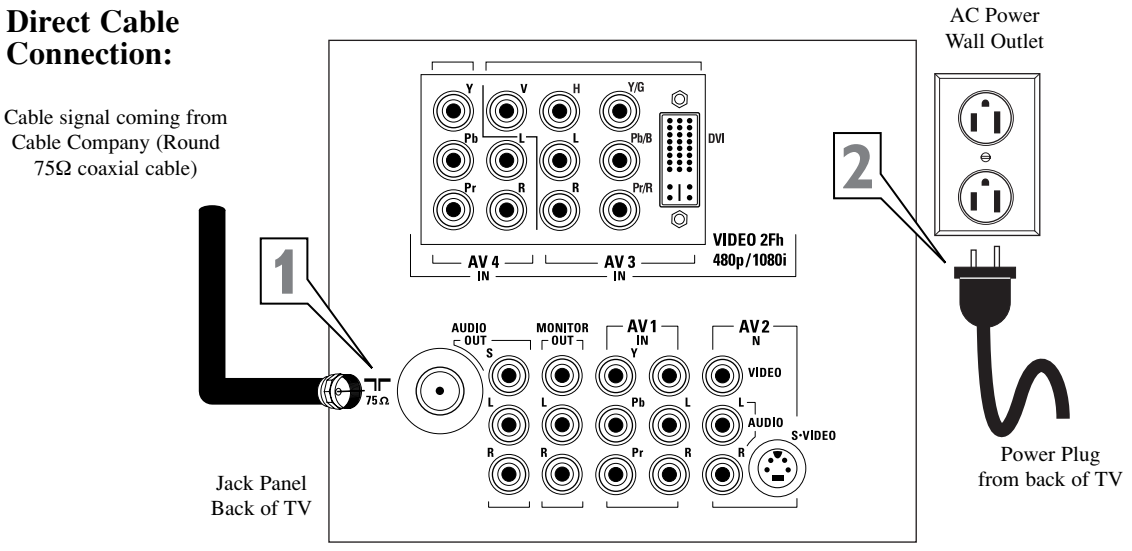
If your cable signal comes directly from a round 75Ω coaxial cable use the following steps:

1. **Connect the open end of the round Cable Company supplied cable** to the 75Ω input on the TV. Screw it down finger tight.
2. **Plug the television into the wall outlet** and turn the TV on. Refer to the AUTOPROGRAM feature to program all the available channels on your cable signal.

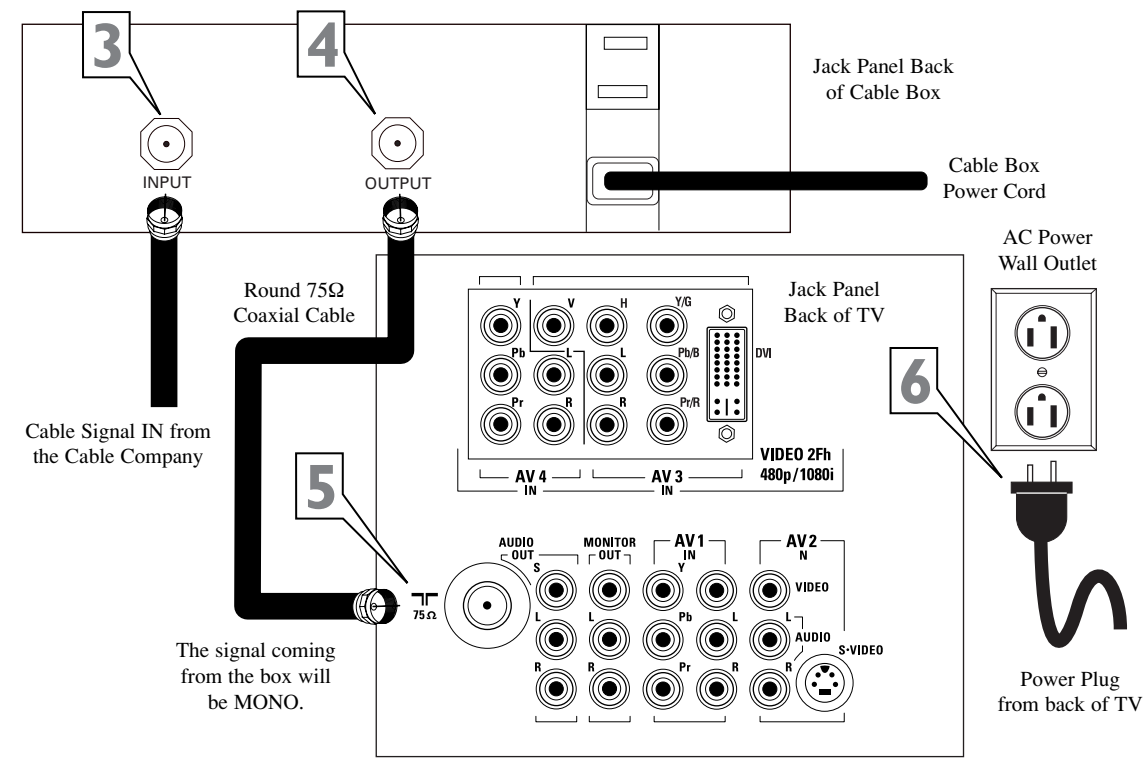
If your cable signal comes from a cable box, use the following steps:

3. **Connect the open end of the round Cable Company supplied cable** to the cable signal IN(put) plug on the back of the Cable Box.
4. Using a separate round coaxial cable, **connect one end to the OUT(put) plug on the back of the Cable Box.**
5. **Connect the other end of the round coaxial cable** to the 75Ω input on the back of the television. Screw it down finger tight.
6. **Plug the television into the wall outlet** and turn the TV on. Refer to the TUNER and AUTOPROGRAM features on page 4 of this Quick Use Guide. TUNER should be set to the CABLE option. AUTOPROGRAM can be set to program all the available channels on your cable signal into the television's memory.

Direct Cable Connection:



Cable Box Connection:

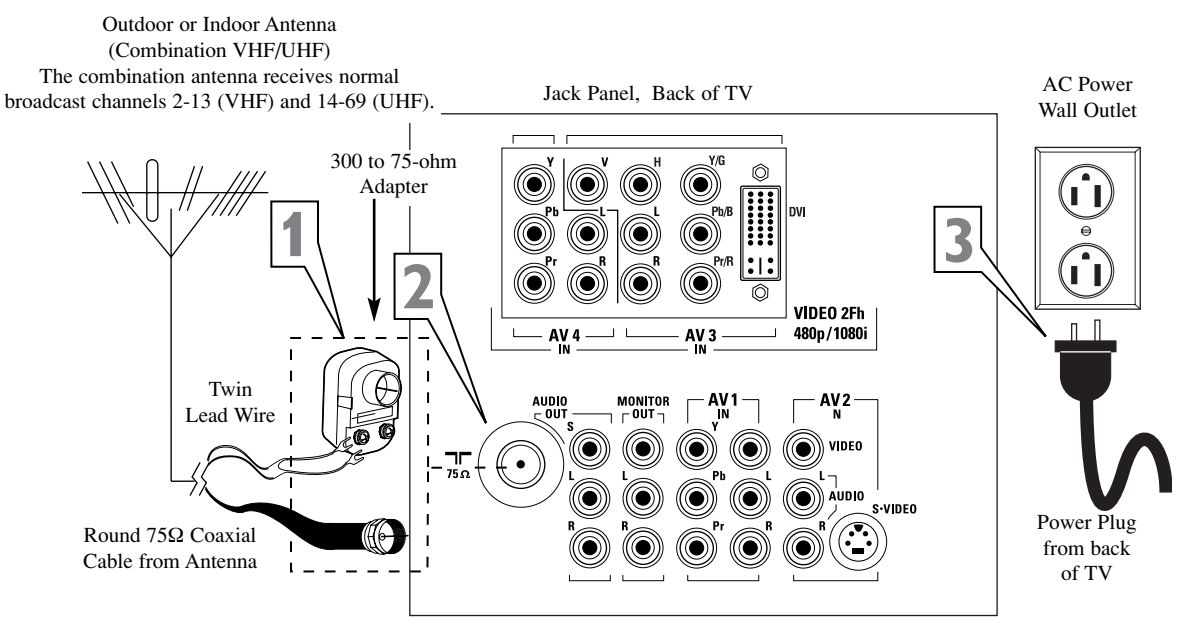


Antenna TV

A combination antenna receives normal broadcast channels (VHF 2–13 and UHF 14–69). Your connection is easy because there is only one 75Ω (ohm) antenna plug on the back of your TV, and that's where the antenna goes.

1. **If your antenna has a round cable** (75 ohm) on the end, then you're ready to connect it to the TV.
   If your antenna has flat, twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300- to 75-ohm adapter.
2. **Push the round end** of the adapter (or antenna) onto the 75Ω (ohm) plug on the back of the TV. If the round end of the antenna wire is threaded, screw it down finger tight.
3. **Plug the television into the wall outlet** and turn the TV on. Refer to the TUNER and AUTOPROGRAM features on page 4 of this Quick Use Guide. TUNER should be set to the ANTENNA option. AUTOPROGRAM can be set to program all the available channels on your cable signal into the television's memory.

Antenna Connection:


Outdoor or Indoor Antenna (Combination VHF/UHF)
The combination antenna receives normal broadcast channels 2-13 (VHF) and 14-69 (UHF).
Jack Panel, Back of TV
AC Power Wall Outlet
300 to 75-ohm Adapter
1
2
3
Twin Lead Wire
75Ω
VIDEO 2Fh 480p/1080i
Round 75Ω Coaxial Cable from Antenna
Power Plug from back of TV

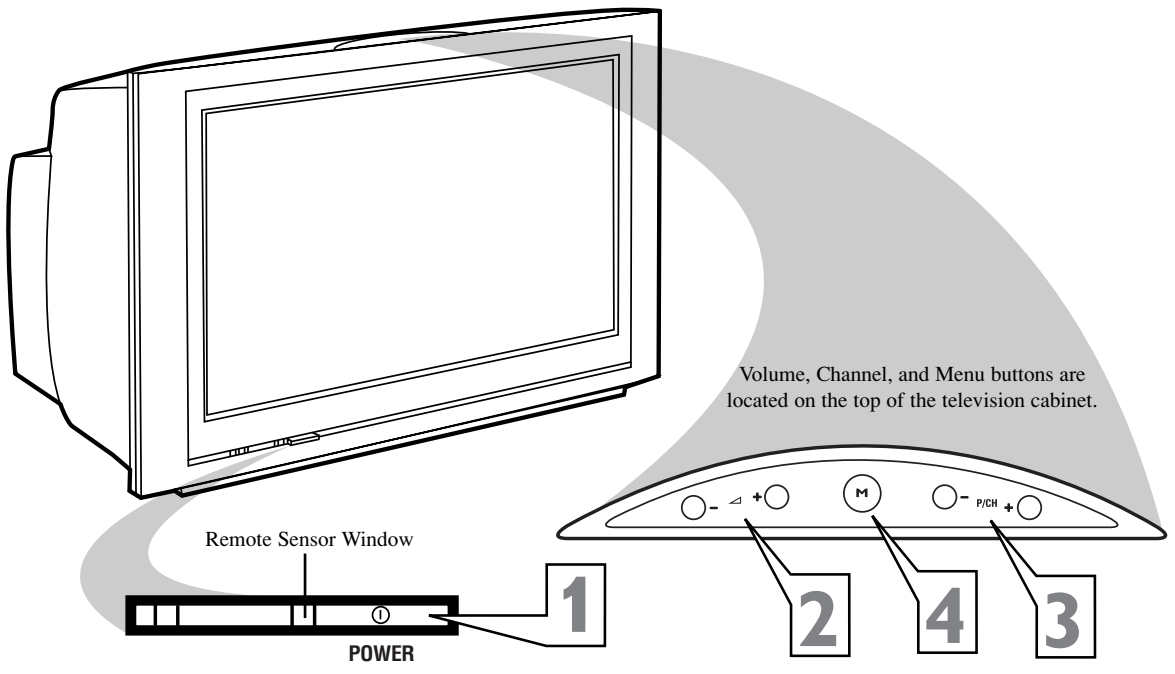
Basic TV and Remote Operation

Television

Your television has a set of controls located on the top of the cabinet for use when the remote control is not needed.

1. **Press the POWER button** to turn the TV ON. Located on the front lower left of the cabinet.
2. **Press the VOLUME (+) button** to increase the sound level **or the VOLUME (–)** button to lower the sound level. Or, use to navigate right or left when the onscreen menu is displayed.
3. **Press the CHANNEL – (down) or + (up)** button to select TV channels. Or, use to navigate up and down when the onscreen menu is displayed.
4. **Press the M (Menu) button** to display the onscreen menu controls. If pressed while the onscreen menu is displayed, the menu will be removed from the television screen.

There is also a set of Audio and Video Input jacks located on the side of the television cabinet. This jack panel also contains a S-video and headphone jack. These jacks are great for connecting a video camcorder or any accessory device that will only be hooked up temporarily. Refer to the ***Directions for Use*** for more details.

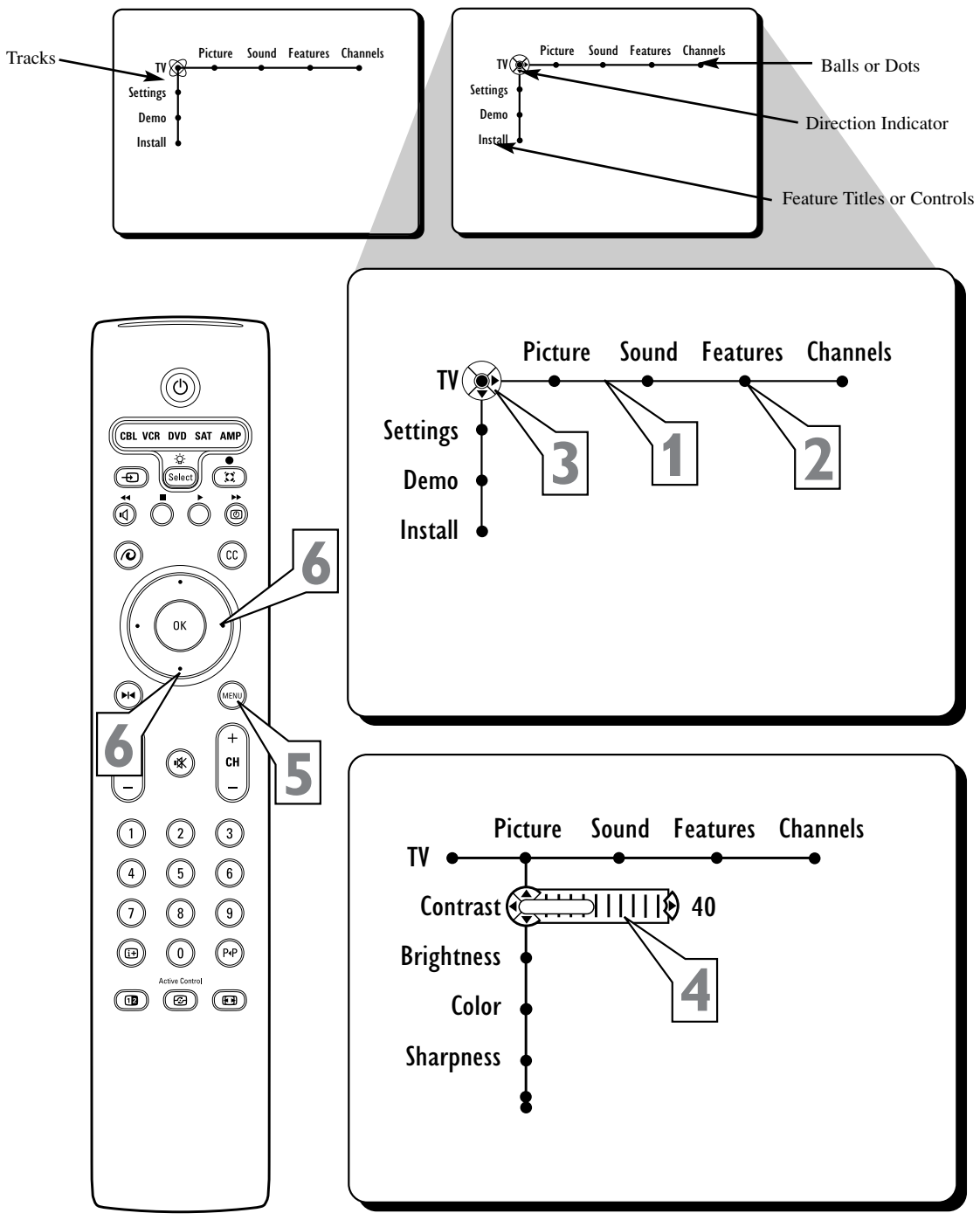


Onscreen Menu

The TV onscreen menu controls are viewed within a mobile map or track system. This system allows you to move along linked paths tied to specific Feature Title categories (TV, Install, etc). Each press of the Cursor buttons on the remote, or top of the TV, moves the cursor control to balls or dots indicating specific controls. Each specific control may have multiple features that can be adjusted. The animated onscreen menu structure will expand to view all available onscreen controls. As it expands, it will display a series of balls or dots grouped together to show more controls not displayed.

1. **TRACK lines represent the** structure of the onscreen menu. They tie all the controls together and show the path you can follow to access the available controls.
2. **BALLS or DOTS** indicate the titles of features or controls available on this television. Some of these controls when highlighted, may show more TRACKS and BALLS, indicating sub-categories or "lists" of controls within the highlighted control. These sub controls will also have TRACKS and BALLS as described with the feature controls.
3. **DIRECTION INDICATOR** let's you know which way movement may take place within the onscreen menu. The arrows on the DIRECTION INDICATOR simulate the CURSOR buttons on the remote control (UP, DOWN, RIGHT, or LEFT).
4. **SLIDER controls will be displayed on some features, allowing** adjustments to the value of the control. Some may show a box containing a list of multiple options settings. Others may only have an ON or OFF option.
5. To navigate the onscreen menu, **start by pressing the MENU button** on the remote control. This will display the onscreen menu in its starting position.
6. **Press the CURSOR DOWN button** to select any of the SETTING, DEMO, or INSTALL controls. **Press the CURSOR RIGHT button** on the remote control to select any of the PICTURE, SOUND, FEATURES, or CHANNEL controls.

Refer to page 4 of this ***Quick Use Guide*** for details describing the INSTALL and DEMO controls. Refer to the ***Directions for Use*** manual for all other control descriptions (PICTURE, SOUND, FEATURES, CHANNELS, or SETTINGS).



Helpful Hint

Pressing the MENU button once will display the onscreen menu. Pressing the MENU button any time the onscreen menu is displayed will remove the onscreen menu from the television screen.

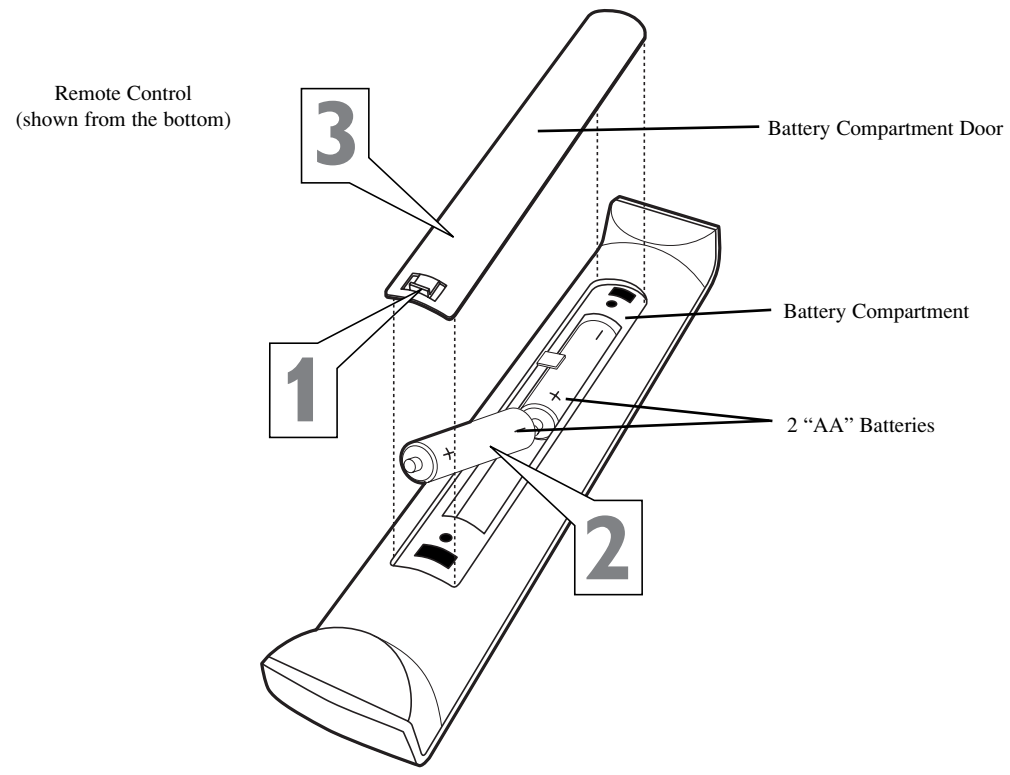
Remote Control Operation

Remote Control Batteries

To load the supplied batteries into the remote:

1. **Remove the battery compartment door** on the back of the remote.
2. **Place the batteries (2-AA) in the remote**. Be sure the (+) and (–) ends of the batteries line up correctly (the inside of the case is marked).
3. **Reattach the battery compartment door**.

Be sure to point the remote at the Remote Sensor window on the front of the television when using the remote control to operate the television.



Remote Control Buttons

Select (CBL VCR DVD SAT AMP) Button
Press the Select Button repeatedly to select one of the system modes in which the remote can be used. Once the mode is selected, an action must be made for the remote to remain in the selected mode or it will default back to the TV mode.

Backlight Button
Press and hold the Select Button for 2 seconds to backlight the Volume, Channel, Mute and Numbered buttons on the remote.

Source Button
Press this button to select the different signal source options when in the TV mode. Select the AV1, AV2, AV3, AV4, SIDE or the current channel source.

Alternate Audio Button
If tuned to a channel that is broadcasting SAP (Second Audio Programming), pressing the Alternate Audio button will toggle between standard or main audio and SAP. If SAP is not present, the button will have no effect.

Pixel Plus Button
Press the Pixel Plus button and the TV screen will be divided in half displaying the Pixel Plus Demo. The left side will display the picture with Pixel Plus and Digital Natural Motion switched OFF. The right side of the screen will display the picture with Pixel Plus and Digital Natural Motion switched ON. The demo will show the benefits of Pixel Plus. Press again to turn the demo off.

OK Button
Press the OK button to activate or confirm menu choices.

Freeze Format Button
Pressing the Freeze button will freeze the picture in one of the various Freeze options. Please note that the Freeze option must be set within the TV's onscreen menu.

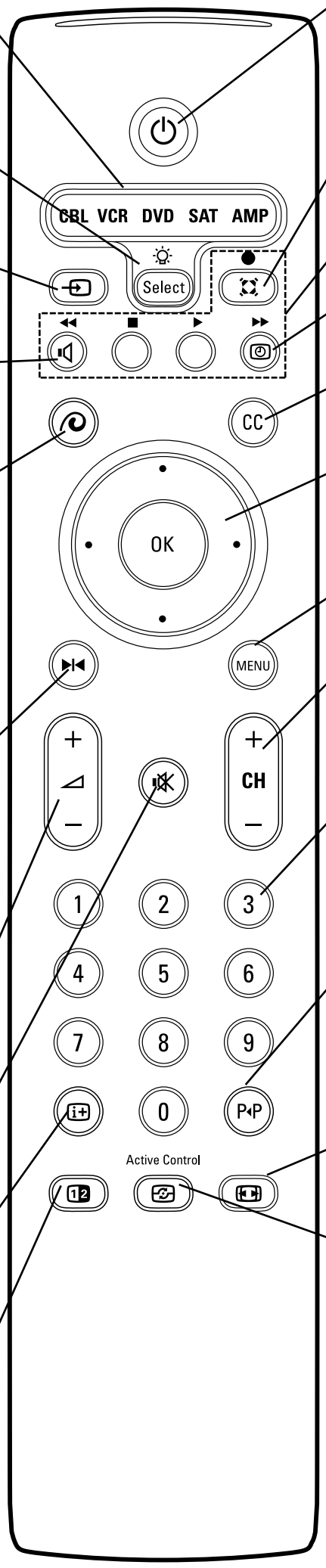
Freeze Mode - The main picture will freeze onscreen, press again to resume normal viewing. Sound will continue to be heard.
Replay Mode - Will display a few seconds of stored video in the PIP window.
Photo Finish Mode - Will display 6 PIP windows of stored video picture.

Volume +, – Button
Press the + side of the button to increase the volume level of the TV. Press the – side of the button to decrease the volume level of the TV.

Mute Button
Press to eliminate the sound coming from the TV's speakers. Press again to restore the sound.

Display Information Button
Press this button to display information (when available) about the current channel, program, source, number or name, local time, CC availability, SAP availability, program ratings, display format, sound mode, and remaining length of a Sleeptimer setting.

Dual Screen/PIP Button
Press repeatedly to toggle through the PIP options. PIP settings must be set within the TV's onscreen menu.



Power Button
Press to turn the TV On or Off.
(Note: The TV is never really powered off completely unless it physically unplugged from the power source.)

Sound Mode Button
Press this button to display a list of available sound modes. Choose from Dolby Pro Logic, 3D Surround, Dolby 3 Stereo, Stereo or Hall settings.

VCR Functions (◀◀, ■, ▶, ▶▶, ●) Buttons
When in the VCR Mode, these buttons will control the Play, Stop, Fast Forward, Rewind, and Record functions.

Time Display Button
Press this button to display the current time on the TV screen.

CC (Closed Caption) Button
Repeatedly pressing the CC button will turn CC ON, OFF or ON whenever the MUTE button is pressed.

Cursor Ring Up/Down/Right/Left
Use the Cursor Ring Up, Down, Right, or Left to navigate through the onscreen menu and make selections or changes within the controls.

Menu Button
Press to display the TV onscreen menu or to turn it off.

Channel +, – Button
Press to scroll through the available channels or sources stored within the TV's memory. See the Auto Program section of this manual to learn how to store all available channel into the TV's memory.

Numbered Buttons
Press to directly access a specific TV channel. For two, or three digit channel, enter all numbers. Press a single digit button and hold a bit longer to directly access a single digit channel. These buttons also can be used to enter values in certain onscreen menu controls.

P◀P (Surf) Button
If the SURF setting within the TV's onscreen menu control is set to 2 channels, pressing this button will act like an alternate channel button allowing you to toggle between the current channel and the last viewed channel. If the SURF setting is set to 9 channels, pressing this button allows you to add and scroll up to nine of your favorite channels.

Picture Format Button
Press this button repeatedly to scroll through all the available picture formats. Choose between, 4:3, Movie Expand 4:3, Movie Expand 16:9, Super Zoom, Wide Screen, or 16:9 Subtitle.

Active Control Button
Pressing this button will display a demonstration of the Active Control. Active Control can be set to four different levels within the onscreen menu.

OFF - will control the Sharpness and Dynamic Contrast automatically.
MINIMUM - will control the Sharpness, Dynamic Contrast and Noise Reduction levels automatically.
MEDIUM - will control the Dynamic Contrast, Color, Sharpness and Noise Reduction levels automatically.
MAXIMUM - will control the Contrast, Dynamic Contrast, Color, Sharpness, and Noise Reduction levels automatically.

How to Use the Installation Features

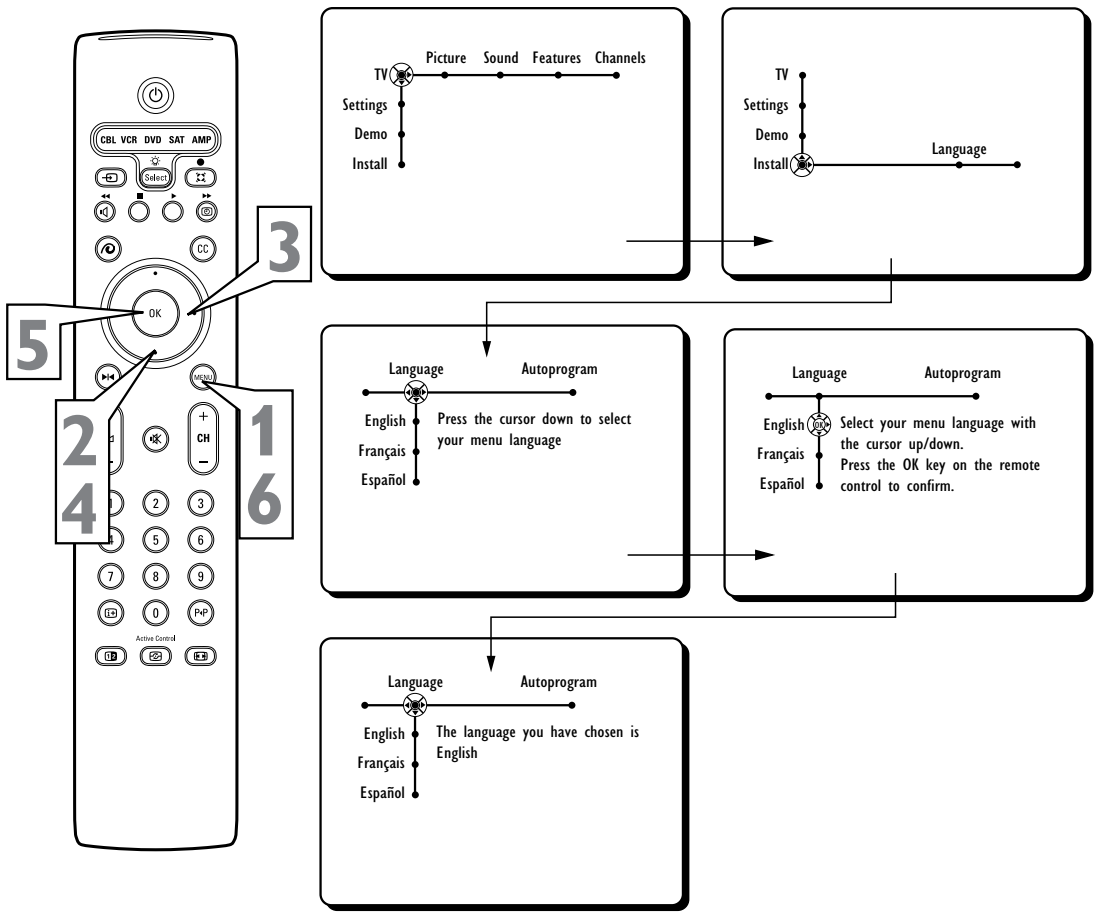
Language

For our Spanish and French-speaking TV owners, an onscreen LANGUAGE option is present. The LANGUAGE control enables you to set the TV's onscreen menu to be shown in either English, Spanish, or French.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left and highlight LANGUAGE.
4. **Press the CURSOR DOWN button** to select ENGLISH, ESPANOL (Spanish), or FRANCAIS (French).
5. After you have made your language selection, **press the OK button to confirm your selection.**
6. **Press the MENU button** to remove the onscreen menu from the TV screen.

Helpful Hint

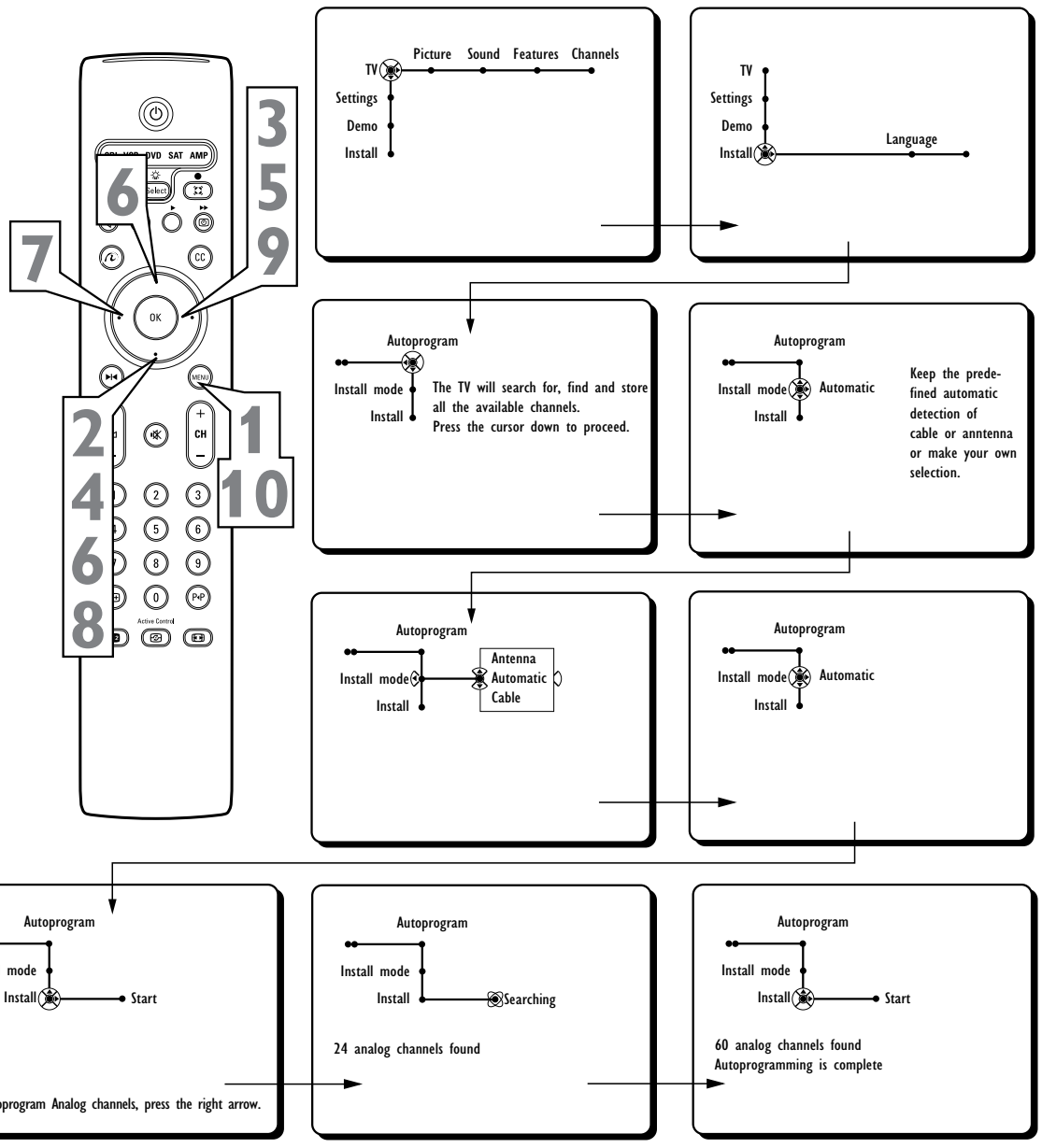
Remember, the LANGUAGE control makes only the TV's onscreen MENU items appear in English, Spanish, or French text. It does not change the other onscreen text features, such as Closed Captioning (CC), with TV shows.



Auto Program

Your TV can automatically set itself for local area (or cable TV) channels. This makes it easy for you to select only the TV stations in your area by pressing the CHANNEL (+) or (–) button.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.
3. **Press the CURSOR RIGHT button repeatedly** to shift the menu to the left and highlight AUTOPROGRAM.
4. **Press the CURSOR DOWN button** to highlight the INSTALL MODE control.
5. **Press the CURSOR RIGHT button** to display a list of Install mode options (Antenna, Automatic, Cable).
6. **Press the CURSOR UP or DOWN button** to select one of the options. Select Antenna for normal outside or inside type antenna. Select Cable for a cable company supplied signal. When Automatic is selected the TV will automatically set the mode based on the type of signal it detects coming into the TV.
7. **Press the CURSOR LEFT button** after making your Install mode selection.
8. **Press the CURSOR DOWN button** to highlight INSTALL.
9. **Press the CURSOR RIGHT button** to start the Autoprogramming process.
10. **Press the MENU button** to remove the onscreen menu from the TV screen when the Autoprogramming process has finished.



Helpful Hint

After you've run Auto Program, check out the results. Press the CHANNEL (+) or (–) button and see which channels you can select.

Demo Mode

Several features of this television can be placed into a demo mode. Auto Demo will automatically show all the feature demos in a sequential loop, one after another except for the Dealer Demo mode. Specific demo modes can be selected from the list of options within the Demo control. (For example: Auto demo, Dual screen, PIP, etc.)
The Dealer Demo also has a sub-list of options that include: Digital options, Lightsensor, and 3D Y/C Comb filter.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until DEMO is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to display the list of Demo mode options. To activate any of the Dealer Demo modes, press the OK or CURSOR RIGHT button.